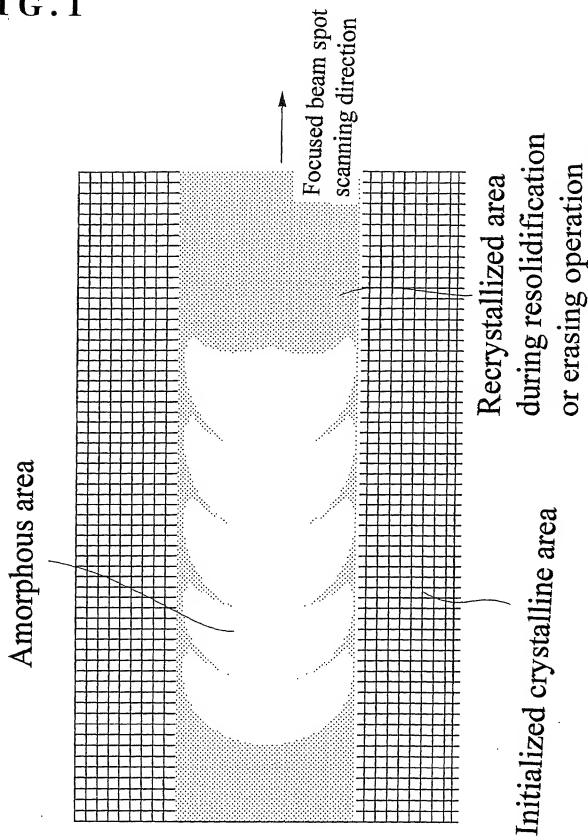


FIG. 1

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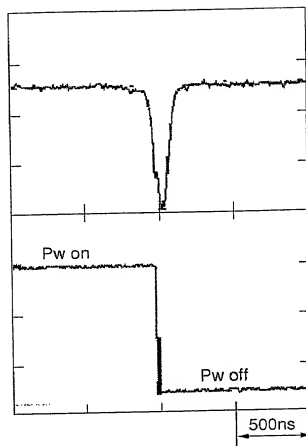


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FIG. 2

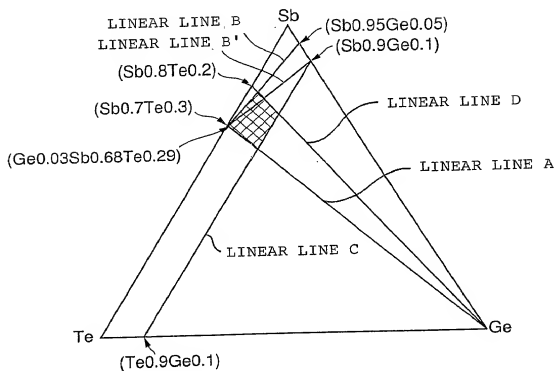
Retrieved signal
proportional to
reflectivity

Pw control signal



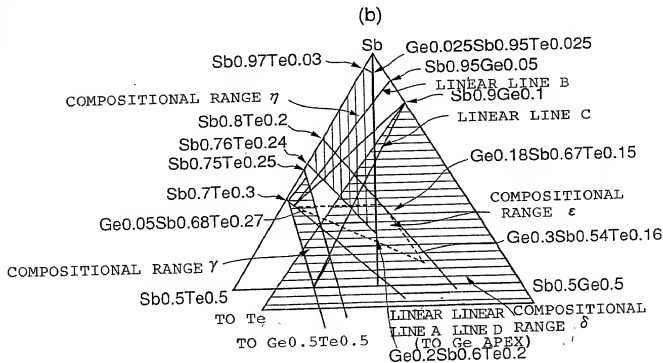
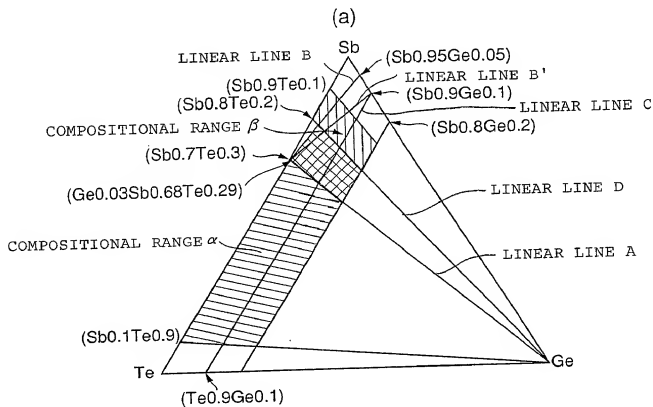
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FIG. 3



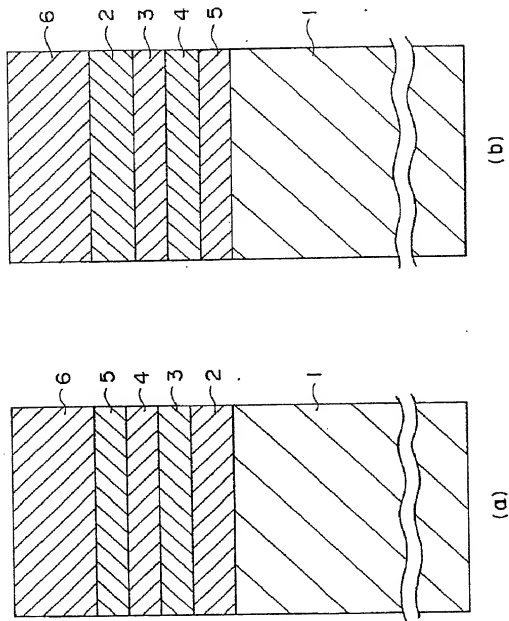
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FIG. 4



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FIG. 5



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FIG. 6

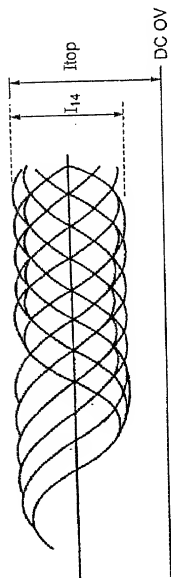
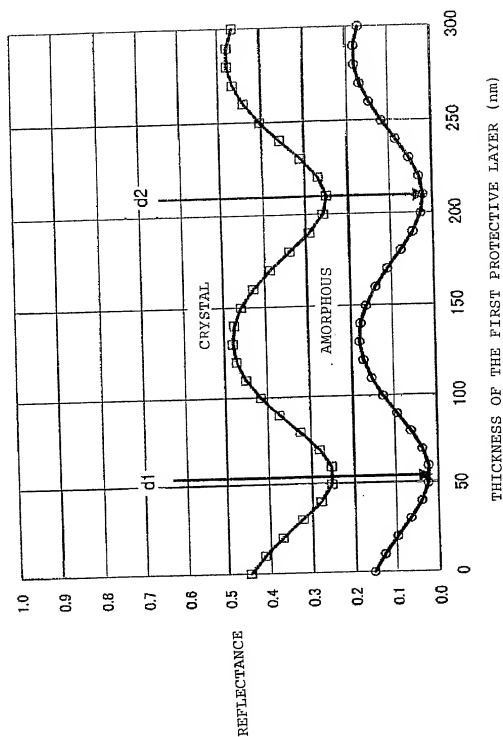


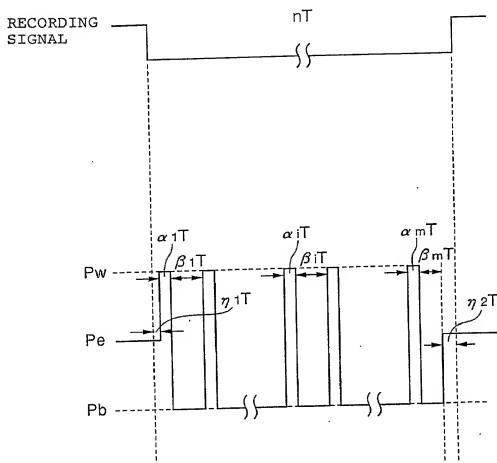
FIG. 7

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FIG. 8



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FIG. 9

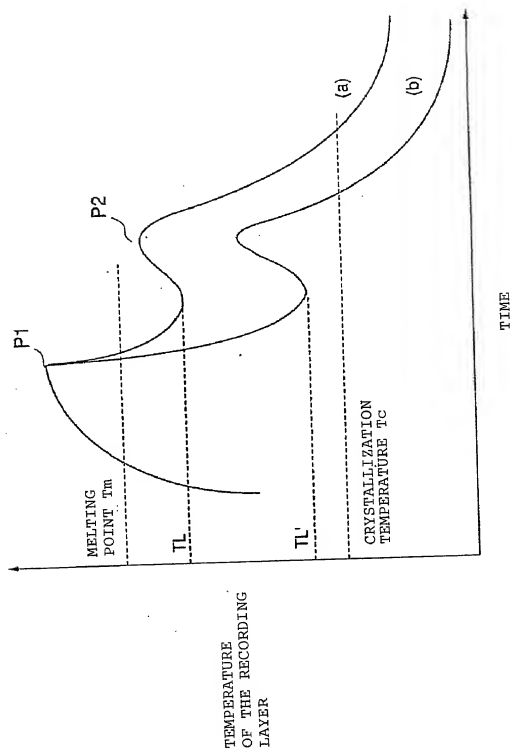
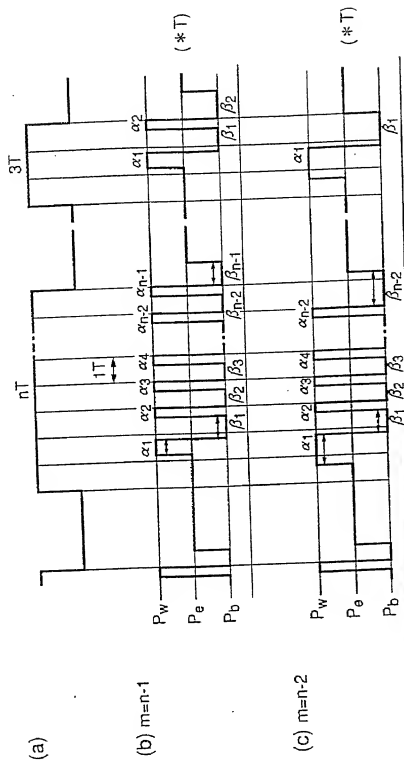


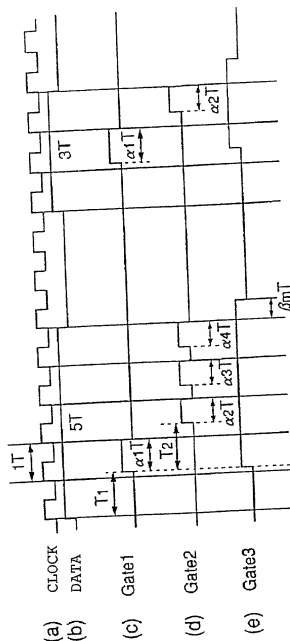
FIG. 10

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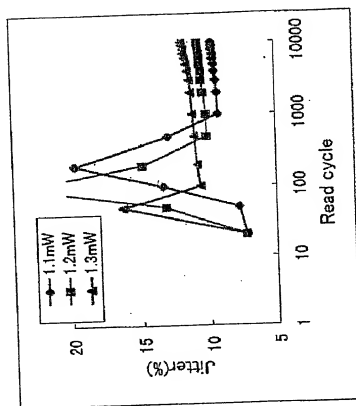
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FIG. 11

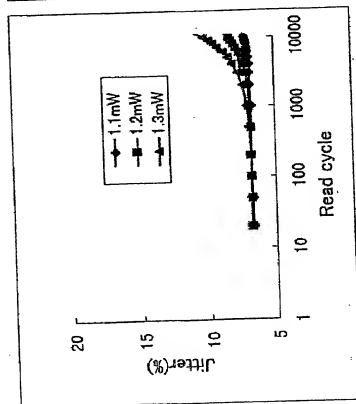


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FIG. 12



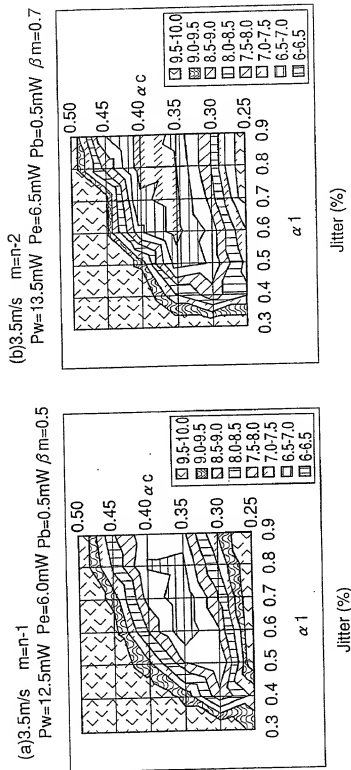
(b) COMPARATIVE EXAMPLE 1



(a) EXAMPLE 1

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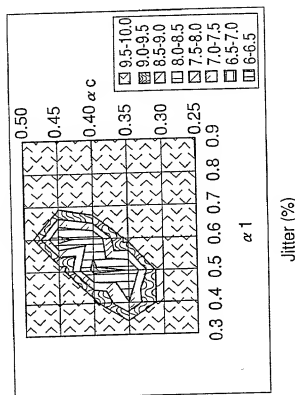
FIG. 13



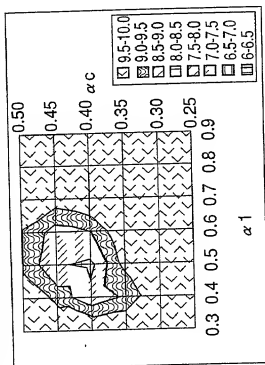
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FIG. 14

(b) 7.0m/s $m=n-2$
 $P_w=14.0\text{mW}$ $P_e=6.5\text{mW}$ $P_b=0.5\text{mW}$ $\beta m=0.5$



(a) 7.0m/s $m=n-1$
 $P_w=13.0\text{mW}$ $P_e=6.5\text{mW}$ $P_b=0.5\text{mW}$ $\beta m=0.5$

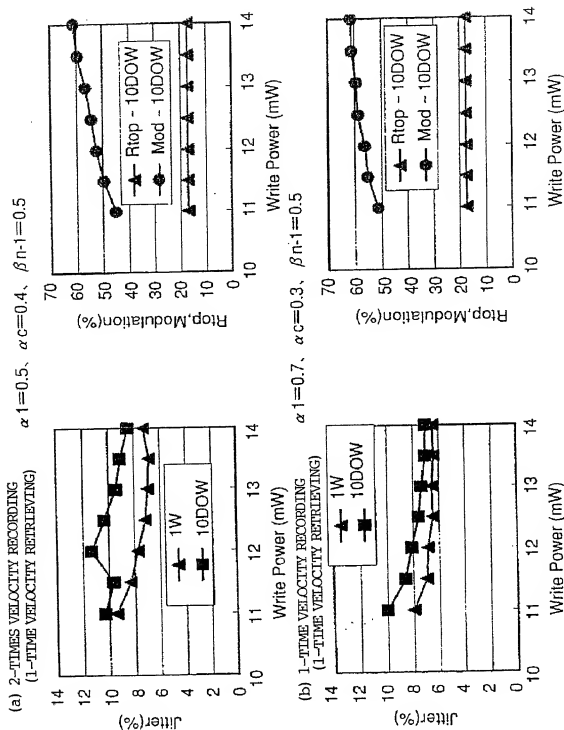


Jitter (%)

Jitter (%)

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FIG. 15



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FIG. 16

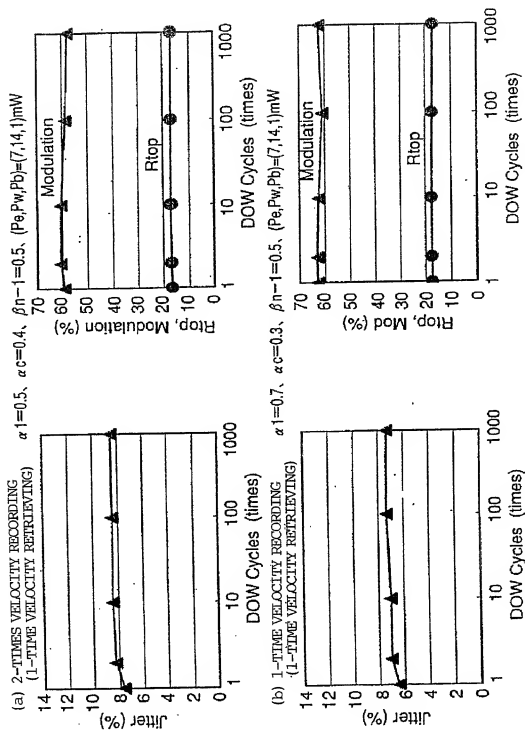
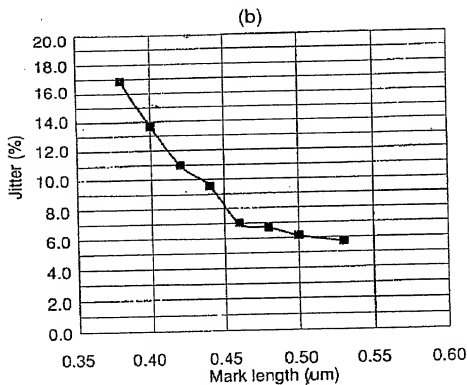
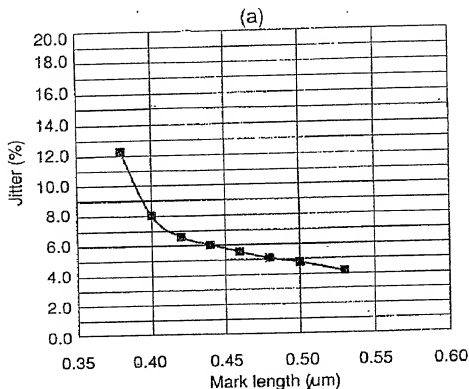


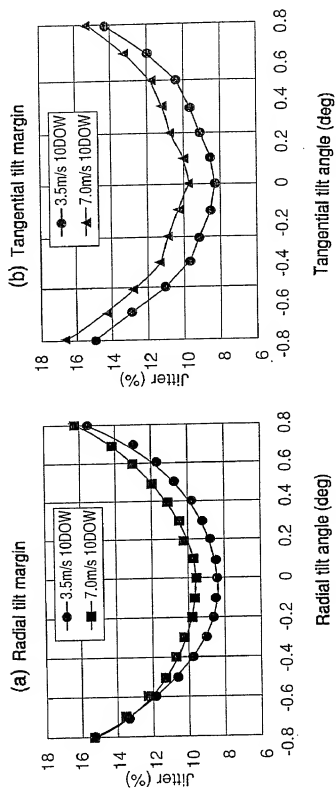
FIG. 17

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FIG. 18



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FIG. 19

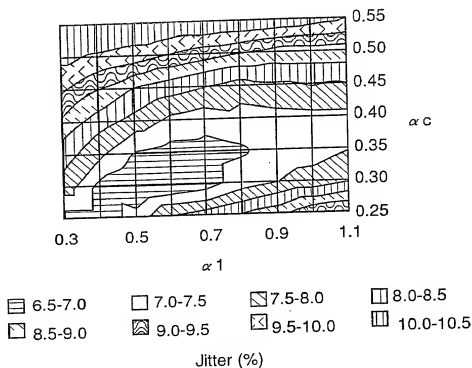
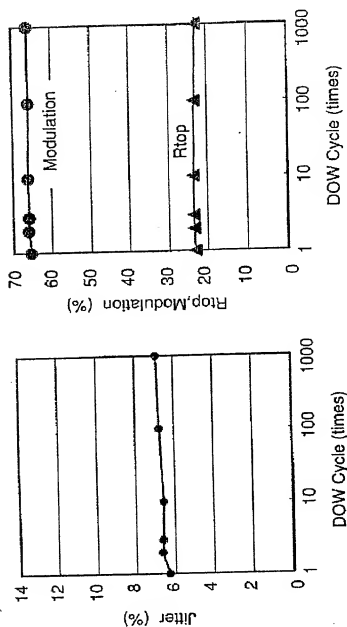


FIG. 20

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FIG. 21

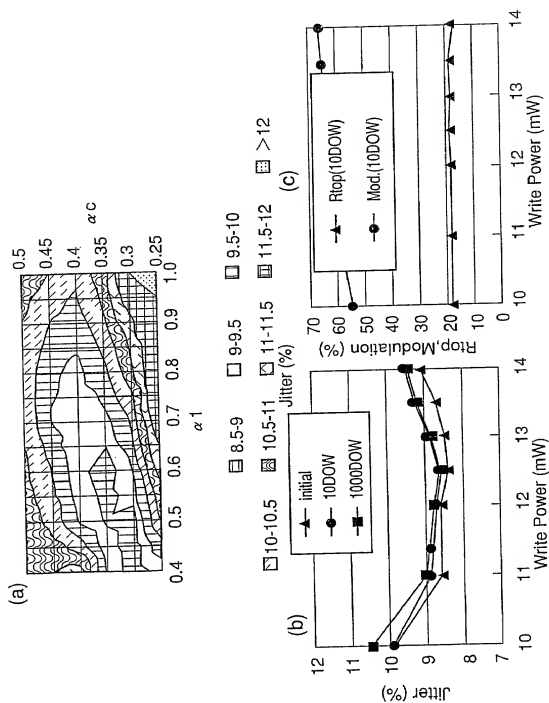


FIG. 22

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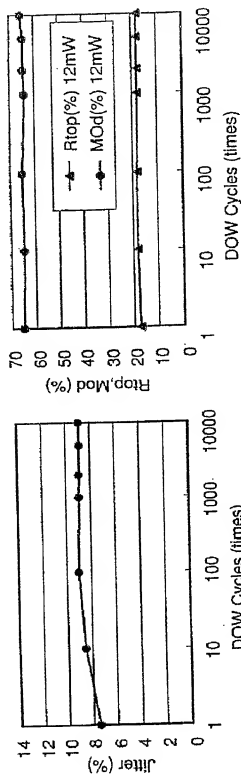
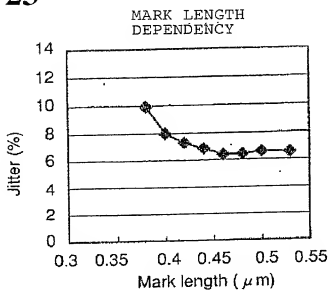


FIG. 23

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FIG. 24

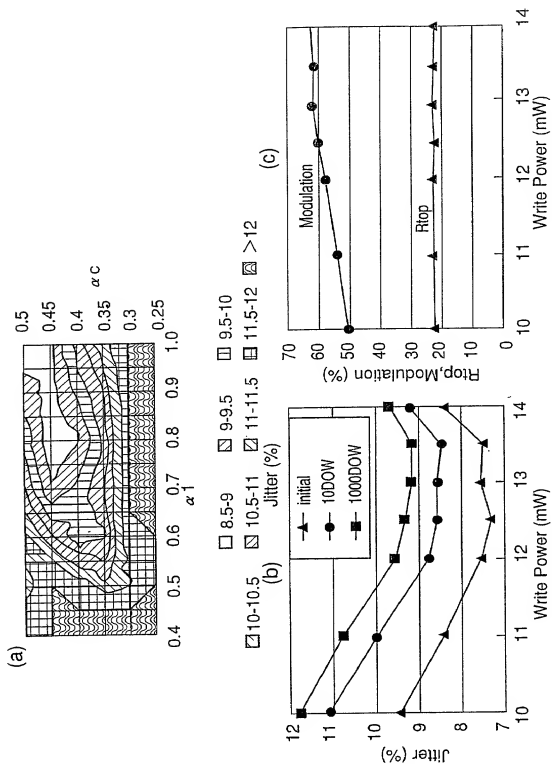
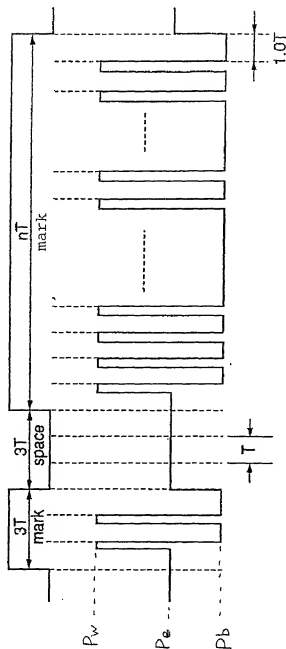


FIG. 25

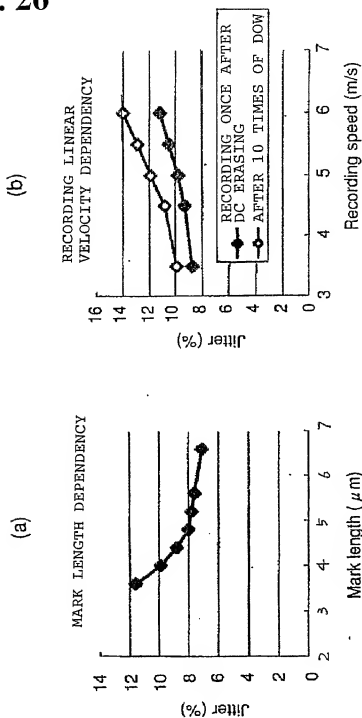
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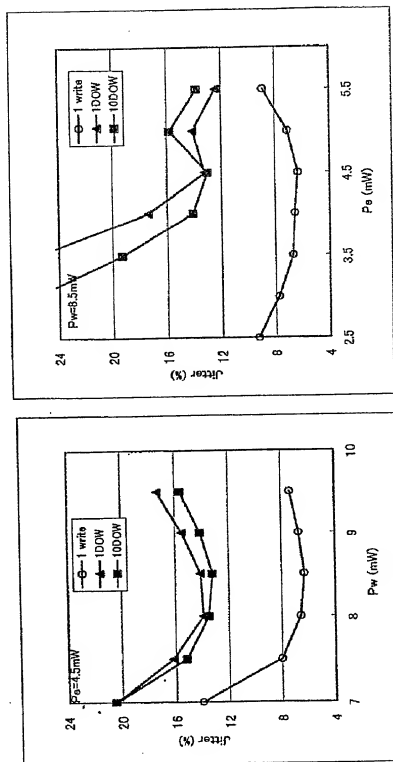
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FIG. 26



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FIG. 27



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FIG. 28

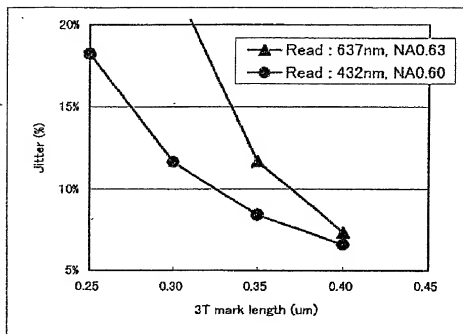
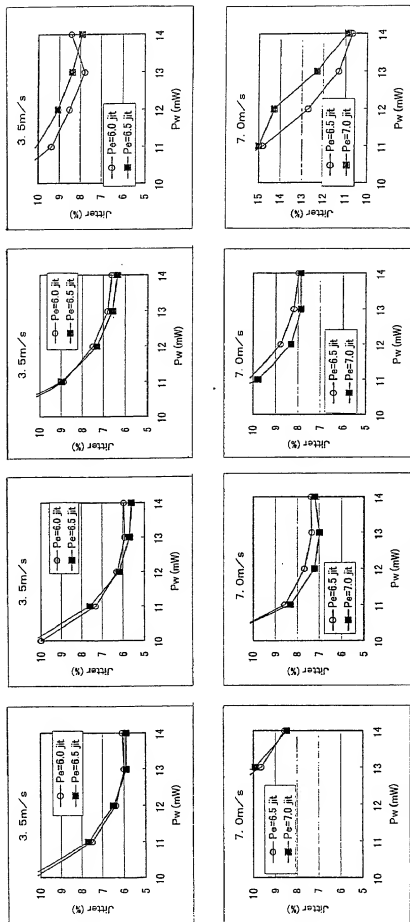


FIG. 29

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(a) Ge0.05Sb0.74Te0.21

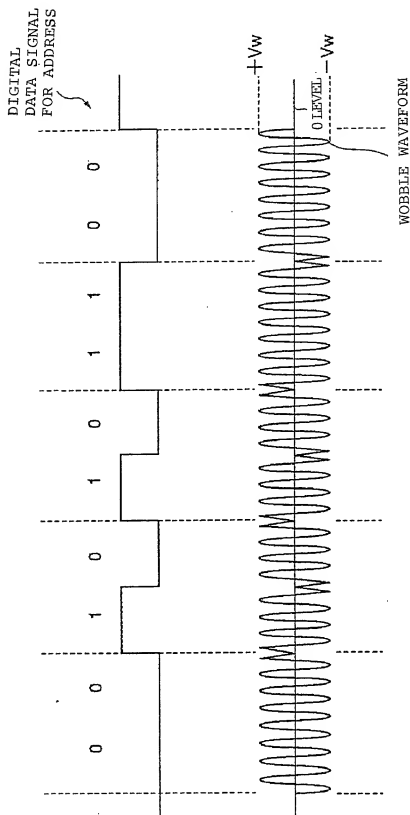
(b) In0.023Ge0.048Sb0.719Te0.21

(c) In0.053Ge0.044Sb0.688Te0.215

(d) In0.118Ge0.041Sb0.617Te0.224

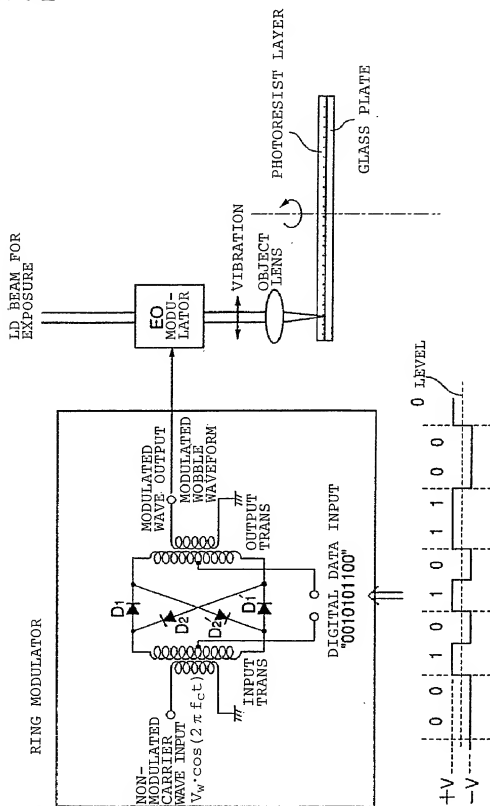
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FIG. 30



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FIG. 31



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FIG. 32

